GRAY HERBARIUM
HARVARD
UNIVERSITY.

Apr. – Oct. 1849 1849 C. Wright 1

For itinerary in Texas see Geiser, Field Lab. 4:23–32 (1935)

No 1	Drosera	Galveston Island		Ap 28
" 2	Chelidonium	"	"	" "
" 3	Baptisia	"	"	" "
" 4	———	"	"	" "
" 5	———	"	"	" "
" 6	Scrophulariaceae	"	Fl. light purp.	" "
" 7	Neottia	"	"	" "
" 8	Samolus	"	Fl. white	" "
" 9	Cyperus	"	"	" "
" 10	Galium	"	"	" "
" 11	Malva	"	"	" "
" 12	Trifolium	"	T. macrocalyx?	" "
" 13	Eryngium	"	E. aquaticum	" "
" 14	———	"	"	" "
" 15	Samolus	"	Fl. light purp	" "
" 16	Gillia Drummondii?	"	"	" "
" 17	———	"	"	" "
" 18	Sabbatia	"	S. angularis	" "
" 19	Coreopsis	"	"	" "
" 20	———	"	"	" "
" 21	Paspalum	"	"	" "
" 22	Plantago	"	"	" "
" 23	Cyperaceae	"	"	" "
" 24	"	"	"	" "
" 25	Oenothera	"	O. Drummondii?	" "
" 26	Linum	"	"	" "
" 27	Petalostemon	"	"	" "
" 28	Sisyrinchium	"	"	" "
" 29	Heliotropium	"	"	" "
" 30	Psoralea	"	"	" "
" 31	———	Travis Co. west of Houston		May 5
" 32	Coreopsis	" " "	"	" "
" 33	Carex	" " "	"	" "
" 34	Amaryllidaceae?	" " " "	"	" "
" 35	Dracocephalum?	" " " "	"	" "

No 36	Umbelliferae	Travis Co. prairies west of	Houston		May	5
" 37	Aletris	"	"	"	"	"	"
" 38	Engeron	"	"	"	"	"	"
" 39	Juncus	"	"	"	"	"	"
" 40	Umbelliferae	"	"	"	"	"	"
" 41	Carex	"	"	"	"	"	"
" 42	Cyperus	"	"	"	"	"	"
" 43	Actinella?	"	"	"	"	"	"
" 44	Panicum?	"	"	"	"	"	"
" 45	Cyperus	"	"	"	"	"	"
" 46	Rhynchospora	"	"	"	"	"	"
" 47	Panicum	"	"	"	"	"	"
" 48	Verbena	"	"	"	"	"	"
" 49	Nestia	"	"	"	"	"	"
" 50	Plantago	"	"	"	"	"	"
51	Urtica	"	"	"	"	"	"
" 52	Scirpus	"	"	"	"	"	"
" 53	Kyllingia	"	"	"	"	"	"
" 54	Sclenia	"	"	"	"	"	"
" 55	Sclenia	"	"	"	"	"	"
" 56	Lupinus	prairies near the		Brazos	"	6
" 57	Hedyotis	"	"	"	"	"	"
" 58	Oenothera	"	"	"	"	"	"
" 59	Apogon	"	"	"	"	"	"
" 60	Erigia occidentalis	"	"	"	"	"	"
" 61	Aster	"	"	"	"	"	"
" 62	Rumex	"	"	"	"	"	"
" 63	Actinella?	"	"	"	"	"	"
" 64	Galega	"	"	"	"	"	"
" 65	Lespedeza	"	"	"	"	"	"
" 66	Desmodium	"	"	"	"	"	"
" 67	Paspalum	"	"	"	"	"	"
" 68	Erigeron	"	"	"	"	"	"
" 69	Polygala	"	"	"	"	"	"
70	Paspalum	"	"	"	"	"	"

No 71	Oenothera	prairies near the		Brazos (east side)		May	6
" 72	"	tripetala	"	"	"	"	"
" 73	Pinus	"	"	"	"	"	"
" 74	Phlox	"	"	"	"	"	"
" 75	Boerhavia	"	"	"	"	"	"
" 76	Paronychia?	"	"	"	"	"	"
" 77	Coreopsis	"	"	" Sandy mounds		"	"
" 78	Aster	"	"	"		"	"
" 79	Apogon	"	"	"		"	7
" 80	Psoralea	"	"	"		"	"
" 81	Lathyrus	"	"	"		"	"
" 82	———	Brazos bottom				"	"
" 83	———	"	"			"	"
" 84	Carex	"	"			"	"
" 85	Tillandsia	"	"			"	"
" 86	Cerastium	"	"			"	"
" 87	Galium	"	"			"	"
" 88	Umbelliferae	"	"			"	"
" 89	"	"	"			"	"
" 90	Compositae	"	"			"	"
" 91	"	"	"			"	"
" 92	Carex	"	"			"	"
" 93	"	"	"			"	"
" 94	"	"	"			"	"
" 95	———	"	"			"	"
" 96	Sanicula	"	"			"	"
" 97	Genn	"	"			"	"
" 98	Gramineae	"	"			"	"
" 99	Plantago	"	"			"	"
" 100	———	"	"			"	"
" 101	Gramineae	"	"			"	"
" 102	"	"	"			"	"
" 103	"	"	"			"	"
" 104	Cruciferae	"	"			"	"
" 105	Urtica	"	"			"	"

No 106	Ranunculus		Brazos bottom		May 7	
" 7	Salix		" river bank		" "	
" 8	Engelmannia		prairies west of Brazos		" 8	
" 9	Echinacea	black	" " " "	pappus purple	" "	
" 10	Gonia		" " "		" "	
" 11	Cyperaceae		" " "		" "	
" 12	Scirpus		" " "		" "	
" 13	Cyperus		" " "		" "	
" 14	Scirpus		" " "		" "	
" 15	Rhynchospora		" " "		" "	
" 16	Umbelliferae		" " "		" "	
" 17	"		" " "		" "	
" 18	Cyperaceae		" " "		" "	
" 19	Gramineae		" " "		" "	
" 20	Carex		" " "		" "	
" 21	Gramineae		" " "		" "	
" 22	Carex		" " "		" "	
" 23	Coreopsis	Wet	" " "		" "	
" 24	Gaura tripitala		" " "		" "	
" 25	Scleria		" " "		" "	
" 26	Verbena		" " "		" "	
" 27	Psoralea		" " "		" "	
" 28	———	minor	" " "		" "	
" 29	Isolepis?		" " "		" "	
" 30	Rhynchospora		" " "		" "	
" 31	Salvia azurea		" " "		" "	
" 32	Compositae		" " "		" "	
" 33	Gramineae	sandy post-oak woods	Crumpi's ferry—Bellville		" "	
" 34	Isolepis?	sandy wet soil			" "	
" 35	Paspalum	sandy post-oak woods			" "	
" 36	Hypericum	Prairies			" "	
" 37	Gramineae	Sandy post-oak woods			" "	
" 38	Plantago	" " " "			" "	
" 39	Gramineae	" " "			" "	
" 40	"	" " "			" "	

No 141	Desmodium	growing together	found in sandy	May 8th
" 2	"		post-oak woods	" "
" 3	Nyctagineae	Sandy post-oak woods		" "
" 4	Carex	Springy places in post-oak woods		" "
" 5	Scirpus	streams in " " "		" "
" 6	Cyperus	" " " " "		" "
" 7	Umbelliferae	" " " " "		" "
" 8	Carex	" " " " "		" "
" 9	Panicum	" " " " "		" "
" 30	Umbelliferae	springy places post-oak woods		" "
" 1	Carex			" "
" 2	Cruciferae	Sandy post-oak woods		" "
" 3	Cyperus	" " " "		" "
" 4	Dodia	Sandy post-oak woods between Brazos & Millers ck		
" 5	Carex	ib. " " " " "		" "
" 6	Capsella	" " " " "		" "
" 7	Coreopsis	" " " " "		" "
" 8	Echinacea	with whitish rays in post-oak woods		" "
" 9	Desmodium	in wet places in post-oak woods		" "
" 60	Isolepis?	wet sandy post-oak woods		" "
" 1	Halea?	" " " "		" "
" 2	Dricanthus	springy places—post-oak woods		" "
" 3	Hypericum	" " " "		" "
" 4	Indaceae	post-oak woods		" "
" 5	Gradescantia	" "		" "
" 6	Commelyna	" "		" "
" 7	Erythraea	" "		" "
" 8	Galardia bicolor	" "		" "
" 9	Cyperus retrofractus	" "		" "
" 70	Scleria	" "		" "
" 1	Cnosmodium	black land prairies		" "
" 2	Brazoria	" "		" "
" 3	Scutellaria	" "		" "
" 4	Boraginaceae	" "		" "
" 5	Galium	" "		" "

No 176	Euphorbiaceae	black land prairies	May	9	
" 7	Scirpus		"	"	
" 8	Thalictrum	Cummings Creek	"	10	
" 9	Asclepias	high prairies	"	"	
" 80	Pentstemon	sandy post-oak woods	"	"	
" 1	Equisetum	edge of thickets in black prairies	"	"	
" 2	Phlox Drummondii	sandy prairies	"	"	
" 3	Coreopsis		"	"	
" 4	Carex	Creek bottoms	"	"	
" 5	——	Cummings creek bottom	"	"	
" 6	Lupinus	Rutersville	"	12	
" 7	Compositae	"	"	"	
" 8	Umbelliferae	"	"	"	
" 9	"	"	"	"	
" 90	"	"	"	"	
" 1	Cyperus	"	"	"	
" 2	Rudbeckia hectos	"	"	"	
" 3	Compositae	"	"	"	
" 4	Scrophulariaceae	"	"	"	
" 5	Compositae	"	"	"	
" 6	Actinella	"	"	"	
" 7	Cyperus	"	"	"	
" 8	Indigofera	"	"	"	
" 9	Pentstemon	"	"	"	
" 200	Leguminosae	from a plant in cultivation Western Texas but indigenous	"	"	
" 1	Cyperaceae	Rutersville	"	"	
" 2	Malva	"	"	"	
" 8	Indaceae	Sandy post-oak woods on Colorado	"	13	
" 4	Gramineae	Rutersville	"	"	
" 5	Aster	" in thicket	"	"	
" 6	Gramineae	" "	"	"	
" 7	"	hoop-ted prairies	"	"	
" 8	Cyperaceae	" "	"	"	
" 9	Monarda	glades in post-oak woods	"	"	
" 10	Coreopsis	" " "	"	"	

No 211	Gnaphalium	Wightii hoop-ted prairies on Colorado	May	15	
" 12	Asclepias	" " "	"	"	
" 13	Carex	" " "	"	"	
" 14	Scirpus	branch in post oak woods	"	"	
" 15	Umbelliferae		"	18	
" 16	Nicotiana	banks of Colorado above Bastrop	"	"	
" 17	Solanaceae?	" " "	"	"	
" 18	Desmanthus	hills of the Colorado	"	19	
" 19	Leersia	Colorado bottoms	"	"	
" 20	Cucurbitaceae	woods near the Colorado	"	"	
" 1	Euphorbiaceae	Black prairies on "	"	"	
" 2	Lindheimera Texana	woods & prairies on "	"	"	
" 3	Helianthemum	sandy post oak woods	"	"	
" 4	Hoffmannia	woods & prairies	"	"	
" 5	Linum	edge of post-oak woods	"	"	
" 6	Rhamnus	edge of black land prairies	"	"	
" 7	Capsicum	with the last " and " for support resting upon	"	"	
" 8	Chondrosium	Austin in prairies	"	23	
" 9	Desmodium	" in thickets	"	"	
" 30	Crassula	pebbly hill "	"	"	
" 1	Euphorbiaceae	sandy " "	"	"	
" 2	Houstonia	" " "	"	"	
" 3	Euphorbiaceae	" " "	"	"	
" 4	Mimosa	edge of woods on pebbly hills	"	"	
" 5	Chondrosium?	Austin small prairies adjoining woods	"	"	
" 6	Gramineae	black land prairies on Colorado	"	"	
" 7	Petalostemon	Austin	"	"	
" 8	Desleria dactyloides	prairies on Colorado	"	"	
" 9	Compositae	sandy prairies Austin	"	"	
" 40	Euphorbia	Sandy woods "	"	"	
" 1	Compositae	edge of thickets Austin	"	"	
" 2	——		"	"	
" 3	Cassia	hills at Austin	"	"	
" 4	Melampodium	hills at Austin	"	"	
" 5	Euphorbiaceae	" " "	"	"	

No 246	Euphorbiaceae	Sandy prairies at Austin		May 23	
" 7	Malvaceae	damp " " "		"	24
" 8	Carex	woods "		"	"
" 9	Euphorbia	thickets "		"	"
" 50	Ipatiola	edge of water "		"	"
" 1	Graminaceae	woods "		"	"
" 2	Umbelliferae	edge of water "		"	"
" 3	———	running water "		"	"
" 4	Centaurea Am.	prairies "	—Rio Grande	"	"
" 5	Graminiae forming dense turf in prairies at Austin			"	"
" 6	Asclepiadaceae	woods Austin		"	"
" 7	Euphorbiaceae	rocky ridges near Austin		"	"
" 8	Tetragonotheca Texana	rocky prairies Austin		"	"
" 9	Asclepiadaceae	prairies Austin		"	"
" 60	Carex	Colorado bottom in cedar thickets		"	"
" 1	Euphorbiaceae	woods Austin		"	"
" 2	Sentellaria	" "		"	"
" 3	Compositae	prairies "		"	"
" 4	Rivina	Colorado bottom "		"	"
" 5	Carex	" " "		"	"
" 6	Leersia	" " "		"	"
" 7	Galardia	prairies "		"	"
" 8	Erythraea	wet limestone ledges Austin		"	"
" 9	Cevothera serrulata	woods & prairies Austin		"	"
" 70	Pycnanthemum	prairies "		"	"
" 1	Leygodesmia	black land prairies "		"	"
" 2	Boraginaceae	Colorado bottom in sand		"	"
" 3	Euphorbiaceae	Sandy bottoms		"	"
" 4	Cucurbitaceae	Colorado bottom		"	"
" 5	Euphorbiaceae	" "		"	"
" 6	Petalostemon	edges of woods Austin		"	"
" 7	Gilia	prairies "		"	"
" 8	Asclepiadaceae	rocky hillsides "		"	"
" 9	Agassiza	prairies "		"	25
" 80	Eysenhardtia	"		"	"

No 281	Xanthoxylum	Austin		May 25	
" 2	Cucurbitaceae	"		"	"
" 3	Asclepiadaceae	"		"	27
" 4	———	floating on water	San Marcos	"	"
" 5	Vitis	San Marcos		"	"
" 6	———	" "	black-land prairie	"	"
" 7	Asclepiadaceae	" "		"	"
" 8	Yucca	Austin "	" do	"	"
" 9	Malva digitata	edge of thickets	San Marcos do	"	28
" 90	Alyssum	banks of the Blanco		"	"
" 1	Graminaceae	" "	"	"	"
" 2	Melanthaceae?	"	"	"	"
" 3	Vitis	thickets near the	"	"	"
" 4	Lythrum	black land prairies—wet—		"	"
" 5	Passiflora lutea?	thickets or prairies		"	"
" 6	Asclepiadaceae	"	on Blanco	"	"
" 7	Coreopsis	wet black prairies	Guadalupe	"	29
" 8	Ruellia	prairies	"	"	"
" 9	Compositae	"	"	"	"
" 300	"	"	"	"	"
" 1	Acacia	"	"	"	"
" 2	Asclepias	banks of	"	"	"
" 3	Allium	prairies near the	" at New Braunfels	"	"
" 4	Helianthus	sides of roads on black prairies		"	"
" 5	Actinella?	along streams near New Braunfels		"	"
" 6	Paspalum	prairies		"	"
" 7	Silphium	black prairies		"	"
" 8	Asclepias	hillsides in black prairies		"	30
" 9	Cevothera serrulata	"		"	"
" 10	Nyctaginea	road sides near	San Antonio	"	"
" 1	Cucurbitaceae	thickets "	"	"	"
" 2	Graminaceae	black prairies "	"	"	"
" 3	Cucus	" "	"	"	"
" 4	Graminaceae	" "	"	"	"
" 5	Cucurbitaceae	" "	"	"	"

No 316	Nyctagineae	roads near San Antonio	May 30
" 7	Malvastrum?	gardens San Antonio	" 31
" 8	Condalia	prairies west of San Antonio	" "
" 9	Potamogeton	ponds west of San Antonio	" "
" 20	Dalea nana?	prairies west of S. A.	June 1
" 1	Compositae	" " "	" "
" 2	Micromeria	on the Medina – high banks	" "
" 3	Malpighiaceae	banks of the Medina	" "
" 4	"	" "	" "
" 5	Scrophulariaceae	" "	" "
" 6	Pelalostemon	" "	" "
" 7	———	banks of the Hondo direction S-10ft	" 4
" 8	———	" "	" "
" 9	———	" "	" "
" 30	Convolvulus	thickets in prairies west of Medina	" "
" 1	Juglans	bottoms of streams	" "
" 2	Carya	olivaeformis banks of streams	" "
" 3	———	banks of the Hondo	" "
" 4	Asclepiadaceae	hills west of Lemitri	" "
" 5	"	" "	" "
" 6	———	near the Hondo & westward on rocky hills	" "
" 7	Leguminosae	on the Seco bush 6-10 ft high	" 5
" 8	Euphorbiaceae	on the hills of the Seco	" "
" 9	Amaryllidaceae	" " "	" "
" 40	Euphorbiaceae	bottom of the Seco	" "
" 40½	Cryptogamae	in clefts of rocks on the Seco	" "
" 1	Compositae	damp place near the Seco	" "
" 2	Leguminosae	hills of the Seco	" "
" 3	Cuscuta	" "	" "
" 4	Menabilis	" "	" "
" 5	Scrophulariaceae	in thickets on the Seco	" "
" 6	Gaura parviflora	every where in Western Texas	" "
" 7	Compositae	prairies on the Seco	" "
" 8	Oenothera serrulata?	Var on the Salinal	" 6
" 9	Euchroma?	" " "	" "

No 350	Dalea nana	prairies on the Salinal	June 6
" 1	Gaura	" "	" "
" 2	———	Salinal and westward	" "
" 3	Matricaria?	Prairies west of the Salinal	" "
" 4	Leguminosae	" " "	" "
" 5	Euphorbia	" " "	" "
" 6	Compositae	hills of the Rio Frio	" "
" 7	"	" "	" "
" 8	"	" "	" "
" 9	Justicia	banks of th "	" "
" 60	Gramineae	high lands on the "	" "
" 1	"	" " "	" "
" 2	Leguminosae	Prairies west of San Antonio	" "
" 3	Cryptogamae	Bluffs on the Rio Frio	" "
" 4	Compositae	high prairie from the Frio west	" "
" 5	Cuscuta	high hills on the Frio	" "
" 6	Malvaceae	hills on the Frio	" "
" 7	———	" "	" "
" 8	Cuscuta	" "	" "
" 9	Gramineae	" "	" "
" 70	Condalia	" "	" 7
" 1	Panicum	" "	" "
" 2	Gaura	" "	" "
" 3	Graminene	" "	" "
" 4	"	" "	" "
" 5	Compositae	" "	" "
" 6	"	" "	" "
" 7	Cucurbitaceae	bottoms of the Frio	" "
" 8	Commelyna	" "	" "
" 9	Gilia	hills "	" "
" 80	Nyctagineae	" "	" "
" 1	Salvia	" " in shade	" "
" 2	———	bottoms of the Frio	" "
" 3	Erythraea	" "	" "
" 4	Polygala	hills "	" "

No 385 Vesicaria gravelly bars of the Gila June 7
" 6 Compositae hills on the Gila " "
" 7 Gramineae " " " "
" 8 " " " " "
" 9 " banks " " "
" 90 " " " " "
" 1 " " " " "
" 2 ——— " " " "
" 3 Fragia hills of the " " "
" 4 Nyctagineae banks " " " "
" 5 Cuscuta=368? hills " " "
" 6 Aster " " " "
" 7 Actinella scaposa " " " "
" 8 Cuscuta=395? " " " "
" 9 Gaillardia " " " "
" 400 Tanacetum? in the Leona " 8
" 1 Smilax? bottoms of the Leona " "
" 2 Portulacaceae " " " "
" 3 Gramineae " " " "
" 4 Passiflora banks of the " " 9
" 5 Scirpus in the bed of the " " "
" 6 Galactia banks of the " " "
" 7 Potamogeton currents of the " " "
" 8 Cuscuta " " " " " " "
" 9 Ludwigia " " " "
" 10 Melothria pindula Leona bottom " "
" 11 Malvaviscus " " " "
" 12 Cuscuta=385? hills of the Leona " "
" 13 Vesicaria " " " "
" 14 Euphorbia " " " "
" 15 Oenothera " " " "
" 16 Ruellia bottom " " "
" 17 Moss on logs " " " "
" 18 Prunus edge of Leona bottom " "
" 19 Commelyna " " " " "

No 420 Cuscuta on Dalea June 9
" 1 Rhamnus Texensis Leona & common everywhere " 12
" 2 Leguminosa uplands of the Leona " "
" 3 " " " " "
" 4 Chara bed of the Leona " "
" 5 Euphorbiaceae bottom of the Leona-2-4ft high " "
" 6 Ungnadia Leona bottom 8-12ft high " 13
" 7 Diospyros " " " " " "
" 8 Cuscuta prairies on the Leona " "
" 9 Bolivaria " " " "
" 30 Helianthus " " (Saline?) " "
" 1 Compositae " Leon & westward " "
" 2 Actinella " Leona " "
" 3 Rhamnus obtusifolius Prairies on the Leona " "
" 4 Moss on logs Leona bottom " "
" 5 Salvia erythrosperma hills Austin & in Leona bottom " "
" 6 Chara in the Leona " "
" 7 Moss on logs Leona bottom " "
" 8 ——— on rocks under water in the Leona " 14
" 9 ——— in the edge of water in the Leona " "
" 40 Oenothera speciosa Leona bottom " 15
" 1 Nyctagineae near the head of the Leona " "
" 2 Cryptogamae Leona mounds " "
" 3 " " " " "
" 4 " " " " "
" 5 Gramineae " " in dense tufts " "
" 6 " " " " "
" 7 Salvia " " " "
" 8 Characeae in the Leona in eddy water " "
" 9 " " " " " "
" 50 Fragia Leona bottom with monstrous? fruit " "
" 1 ——— small tree in edge of bottom on Leona " 16
" 2 Ambrosia Thickets and uplands of the Leona " 18
" 3 Cypeus edge of ponds near the head of Leona " "
" 4 stagnant water " " " " "

No 455 Z aniculifolia pond near the head of the Leona stagnant water June 18
" 6 Chara " " " " "
" 7 " " " " " "
" 8 Panicum edge of " " " " "
" 9 Characeae " " " " "
" 60 Carex " " " " " "
" 1 Panicum " " " " " "
" 2 Dalea high prairies near the Nueces " 19
" 3 Coreopsis in eddy waters of the " " "
" 4 Lythrum in the " " " "
" 5 Umbelliferae pebbly bars of the " " "
" 6 Proserpinaca in eddy waters of the " " "
" 7 Panicum " " " " "
" 8 ——— on pebbly bars of the " " "
" 9 Leguminosae bottom of the " " "
" 70 Gallugia paradoxa bottom of the " & westward " "
" 1 Verbenaceae " " " "
" 2 Asclepiadaceae " " " "
" 3 Graminae " " " 20
" 4 Dalea Prairies of the " " "
" 5 Amaryllidaceae? high prairies west of Nueces " "
" 6 ——— = Nolina texana " " on cliffs above Austin " "
" 7 Cyperaceae Juajalote or Turkey creek in dense patches " "
" 8 Potamogeton in the current of the Nueces " "
" 9 Bolivaria hills of the Nueces " "
" 80 Cevothera Missouriensis pebbly bars of the Nueces " "
" 1 Malvaceae rocky clipps of the Nueces " "
" 2 —— hills of the Nueces 4-6 ft high " "
" 3 Moss margin of springs Turkey creek " "
" 4 Gentianaceae moist hill sides & margins of streams " 21
" 5 Juncus in Turkey creek " "
" 6 Utricularia " " " " "
" 7 Melochia pyramidata Turkey creek - wet places " "
" 8 Ruellia open prairies " " " "
" 9 Ambrosia sides of thickets & in prairies from Nueces to Turkey creek " "

No 490 Cuscuta maculata margin of Nueces 4-8 ft high June 18
" 1 Nuttallii margin of Turkey creek in dense tufts " 21
" 2 Cantua? edge of thickets Turkey creek & commonelsewhere " 23
" 3 Algarobia prairies W Texas 20-30 ft high sometimes 12-18 in diam " "
" 4 Amaryllidaceae hills of Turkey creek Scape 4-6 ft Fl. pure white
" 5 Chaetopappa hills near Z Creek " 23
" 6 Barrattia " " " " "
" 7 Euphorbiaceae " " " stipulate root perenn. " "
" 8 Polygala " " " " "
" 9 Malvaceae " " " crevices of rocks " "
" 500 Euphorbiaceae prairies of Turkey Creek " "
" 1 Seed of Bolivaria " " " " "
" 2 " Convolvulus hills of Z. Creek 4 ft high 7-lobate " "
" 3 " Galium small bushes in shady thickets 2-3 ft long procumbent over weeds and " "
" 4 " Centaurea Am. prairies on Z. Creek " "
" 5 " Cuscuta Rocky hills Z. Creek — 12-18 in high " "
" 6 Filices crevices of rocks, hills Z. Creek " "
" 7 Micromeria hills near Z. Creek common used as tea " 25
" 8 Sida hills & crevices of rocks Z. Creek, Austin Fl. buff " "
" 9 Physalis hills, Z. Creek - without the nauseous odor of Z. physcosa & others " "
" 10 Rhamnus? or Canotia much branched from the root Fl greenish yellow " "
" 11 —— on a rocky hill near the head of Z. creek - very thorny shrub 4-8 ft high from the Leona to R. Grande common
" 12 Filices crevices of rocks on hills Z. Creek " "
" 13 Lycopodium hills Z. Creek on flat rocks slightly covered with earth " "
" 14 ——— hills Z. Creek - one specimen only found " "
" 15 Aphora humilis? hills & prairies near Z. Creek " "
" 16 Asclepiadaceae climbing even small bushes Z. Creek & glen hills & high prairies " "
" 17 Euphorbiaceae high hills Z. Creek 1-2 ft high " "
" 18 Filices on rocky branches in shade of trees & bushes near Z. Creek " "
" 19 Hydrocotyle in Z. Creek with Typha " "
" 20 Chara still water of Z. Creek " "
" 1 Lichens on elm live oak & other trees Z. Creek " "
" 2 Myriophyllum still water of Z. Creek " "
" 3 Rhus Leona - Z. Creek - Shrub 3-6 ft high on prairies & sparingly in timbers "
" 4 Seed of Abutilon hills of Z. Creek & eastward to Austin " "

No 525	Ptelea trifoliata var. mollis	margin of Turkey creek 10 ft	high in fruit	June 26
" 6	Compositae (not Khaeb pappa) nov Bellis ex descrip.	in thickets of the prairies & hills of Turkey creek Fl. light pink	" "
" 7	Malvaceae	Sides of rocky hills near F. creek – in fruit –	" "
" 8	———	rocky hill of Turkey creek – a very much branching 6-8 ft high shrub – branches tipped with spines ~~6-8 ft high~~ fruit light yellow	"
" 9	Lantana " " " "	Fl white	" 27
" 30	Galactia prairies " "	climbing on little bunches of bushes	" "
" 1	Hedyotis common on prairies " "	& elsewhere	" "
" 2	Ludwigia in " "	— common elsewhere also	" "
" 3	Prunus forming little thickets of bushes in the prairies of	F. creek 2-3 ft high – in fruit	" "
" 4	Leguminosae Rhynchosia Texana?	climbing over little bushes of bushes on the prairie of F. creek	" "
" 5	Helianthus tenuifolia	Hills & rocky cliffs of F. creek sufficiently 1-2 ft high – in fruit only	" "
" 6	Polygala	high rocky cliffs of F. creek & in similar places from the Colorado to R. Grande	" "
" 7	Palafoxia " " " "		" "
" 8	Erythraea " " " "		" "
" 9	Cyclidaceae	level alluvial prairies near F. creek & westward beginning to flower again after the late heavy rain	" 28
" 40	Linum	prairie of F. creek	" "
" 1	Mentzelia	hills of F. creek much branching from the base main branch 1-2 ft long – spreading Fl. in the morning yellow	" "
" 2	Acacia	hills of F. creek 1-3 ft high	" "
" 3	Usnea	on No 544 and other mimosaceous bushes high rocky hills near F. creek	" "
" 4	Mimosaceae	rocky hills near F. creek 4-6 ft high	" "
" 5	Nyctaginaceae	high prairies at the foot of hills near F. creek ~~Fl not seen expanded~~	" "
" 6	Seed of cactaceae	high rocky hills of F. creek	" "
" 7	" cucurbitaceae	prairies of F. creek	" "
" 8	" cactaceae	high rocky hills of F. creek	" "
" 9	" " " " "	"	" "
" 50	Houstonia	high prairies of Live-oak creek and to the Las Moras	" 29
" 1	Calandrinia	bottoms of Live oak creek & Las Moras	" "
" 2	Krameria	prairies of Live oak creek 1-2 ft high	" "
" 3	Oenothera "	" " 6-12 in high	" "
" 4	Gaura "	" " Fl. yellowish-white nearly white	" "
" 5	——— "	" "	" "
" 6	Sida "	" " Fl. orange	" "
" 7	Leguminosae	" "	" 30
" 8	———	on Elm creek	" "
" 9	Dalea	prairies on Live oak creek	" "

Kinney Co.

No 560	Centhaea prairies of Live oak creek			June 30
" 1	Vesicaria bottoms " "			" "
" 2	Cuscuta prairies " "			" "
" 3	Aplopappus " " "			" "
" 4	Apocynaceae " " "	Fl white border externally tinged with red		" "
" 5	Lobelia margin of water on Elm creek	Fl. blue		" "
" 6	Cactaceae prairies on Elm creek			" "
" 7	Scirpus in Elm creek			" "
" 8	—— banks of L creek			" "
" 9	—— " " Shrub 3-5 ft high flowers (all	pistillate?) greenish		" "
" 10	Amaryllidaceae? banks of L creek 4-6 ft high — with fruit	— Fl. bright scarlet		" "
" 1	Leguminosae a branching shrub 2-5 ft high on the prairies		July	2
" 2	—— a much branched shrub on the prairies near	the head of the Las Moras 2-4 ft high Fl (pistillate only) greenish		" "
" 3	Lantana prairies and edges of thickets from Guadalupe	to R. Grande not very common 3-4 ft high Fl. yellow		" "
" 4	Onosmodium Las Moras bottom — in fruit only — several	stems from one root		" "
" 5	Passiflora Prairies on the Las Moras — quite common	but flowering & fruiting Specimens rare eastward Fl yellowish	with greenish tinge	" "
" 6	Euchroma? alluvial soils from Las Moras to R. Grande	1-3 ft high		" "
" 7	Compositae alluvial prairies			" "
" 8	Gramineae prairies west of the Las Moras			" 3
" 9	Rumex? alluvial prairies on the Piedra Pinta	pointed rock creek		" "
" 80	Scirpus growing in " " "			" "
" 1	Asclepias alluvial prairies " " "			" "
" 2	Gonia " from " " to Lacate	or grass creek		" "
" 3	Calangera " " on "	"		" "
" 4	Lythrum in the wet flat of "	" and among scirpus Typha and water grasses		" 4
" 5	Boraginaceae Coldenia canescens. alluvial prairies on "	" Coldenia		" "
" 6	Convolvulus climing on bushes near "	"		" "
" 7	Scirpus in "	"		" "
" 8	" " "	" Slender		" "
" 9	Sphaeralcea stellata? low grounds near "	" 1½-3 ft high		" "
" 90	Gramineae prairies on "	"		" "
" 1	Juncus in "	"		" "
" 2	Potamogeton " "	"		" "
" 3	Ruellia alluvial prairies near "	" Fl. white		" "
" 4	Abutilon prairies from the Seco westward Common			" "

July 4

No 595	Abutilon	prairies	from the Brazos	westward	common		
" 6	Acacia lutea	on Sacate	creek &	elsewhere	in low	level prairies	
" 7	Scirpus	when the seeds of the spike germinate and then it				spreads & forms large & thick patches in shallow water or on "damp" ground	5
" 8	Gramineae	common	on level	prairies	bordering	creek	" "
" 9	Leucophyllum Texanum	high	prairies	common	from San	Antonio westward 3-6 ft high	" 6
" 602	Leguminosae	high	pebbly	prairies	west of	Sacate creek	" 6
" 1	"	"	"	"	"	"	Legumes burst elastically & scatter the fruit immediately on opening " "
" 2	Passiflora	"	"	"	"	"	Fruit dark purple size of a small rifle bullet " "
" 3	Eriogonum	pebbly	bed of a	small	creek	beyond Sacate creek	" "
" 4	Nyctaginear	"	"	"	"	"	" "
" 5	Salvia	"	"	"	"	"	Fl light purple " "
" 6	———	Shrub 3-5 ft high—	much	branched—	on the	high prairies " "	
" 7	Gramineae	high	prairies	of the	San Felipe	" "	
" 8	Scutellaria	low	"	"		" "	
" 9	Compositae	Calcareous	hills	"		" 7	
" 10	Cucurbitaceae	"	"	"		" "	
" 11	Compositae	"	"	"		" "	
" 12	Cuscuta	"	"	"		" "	
" 13	Fragia	"	"	"		" "	
" 14	Compositae	"	"	"		" "	
" 15	Euphorbia	"	"	"		" "	
" 16	———	"	"	"	suffruticose— much	branched from the root — fl. white " "	
" 17	Leguminosae	"	"	"	shrub	" "	
" 18	Polygala	"	"	"	many stems from	one root — perennial " "	
" 19	Passiflora	"	"	"	= 602	" "	
" 20	Physalis	"	"	"	Fl. yellow	" "	
" 1	Scrophulariaceae	"	"	"	" light purp.	" "	
" 2	Salvia	"	"	"	fruticose 2-4 ft	high Fl. bluish-purp " "	
" 3	Rutaceae	"	"	"		" "	
" 4	Cnosmo Annua?	"	"	"		" "	
" 5	Abutilon	"	"	"		" "	
" 6	Euphorbia	"	"	"		" "	
" 7	Gramineae	bottom of the			"	" "	
" 8	———	"	"		"	" "	
" 9	Scrophulariaceae	"	"		"	Fl very light purple " "	

No 630	Ludwigia ?	Gemma	at the head of the San Felipe				July	7
" 1	Acacia?	prairies	" " " "	Shrub	2-3 ft high - much branched - fl. golden-yellow		"	"
" 2	Cylia	hills	" " " "				"	"
" 3	Leguminosae	"	" " "				"	"
" 4	Boraginaceae	"	" "		Heliotrop. angustifol.		"	"
" 5	Polygala	"	"		much branched from the (perennial) roots		"	"
" 6	Cruciferae	"	"	Fl white -	apparently a second floration consequent on rains after a drought		"	"
" 7	Loasaceae	"	"	Fl. yellow			"	"
" 8	Seed of Abutilon		"				"	"
" 9	"	Mimosae	"				"	"
" 10	"	St. Bignoniaceanum	"				"	"
" 1	"	of a mimosaceous shrub common on the prairies					"	"
" 2	Cruciferae	on the prairies common growing more			luxuriantly in the shade		"	"
" 3	Cactaceae	on bluffs of the San Felipe 6-8 in or even 12 or more			in height & 6-10 in in diam. Fl. open in the morning & close depose ought			
" 4	Nyctaginieae	"	"	much branched	glutinous		"	"
" 5	———	"	"				"	"
" 6	Clematis	prairies	"				"	9
" 7	Euphorbia	"	"				"	"
" 8	Cyperaceae	margin	"				"	"
" 9	Convolvulus	banks	"				"	"
" 50	Equisetum	"	"				"	"
" 1	Compositae	prairies	"				"	3
" 2	Hymenatherum	top & sides of	"	mound			"	"
" 3	Guaiacum	"	"	"			"	"
" 4	Portulaca pilosa	"	"	"			"	"
" 5	Eriogonum	"	"	"			"	"
" 6	Gramineae	"	"	"			"	"
" 7	"	"	"	"			"	"
" 8	"	prairies on the	"				"	"
" 9	Compositae	"	"				"	"
" 60	———	"	"				"	"
" 1	Condalia microphylla		"	A much branching shrub	8-6 ft high - Fl. greenish - white		"	"
" 2	Amaryllidaceae	seed found on the Verde and on the San			Felipe - abundant - growing on banks near creeks		"	"
" 3	Asclepiadaceae	seed Common from Austin to the San Felipe					"	"
" 4	Salix	San Felipe Spring. 10-15 ft high					"	"

No	665	Scrophulariaceae	Prairies on San Felipe creek			July	11
"	6	Salvia	"	"	"	"	"
"	7	Smilax	"	"	"	"	"
"	8	Convolvulus	"	"	"	"	"
"	9	Nyctagineae	"	"	"	"	"
"	70	Gramineae	"	"	"	"	"
"	1	"	"	"	"	"	"
"	2	Nyctagineae	"	"	"	"	"
"	3	———	Shrub in fruit a small red two-seeded berry—		high prairies of the San Felipe	"	"
"	4	Lantana	low prairies of San Felipe creek among bats		as Fl. light purple	"	"
"	5	Indigofera	bottom of San Felipe creek and others east to		the Hondo Fl. red	"	13
"	6	Aplopappus	high prairies of San Felipe creek			"	"
"	7	Leguminosae	"	"	"	"	"
"	8	Polygala	"	"	"	Fl. greenish	"	"
"	9	Gilia	low	"	"	"	blueish-purple	"	"
"	680	Fruit of Mexican bayonet or dagger	Liliaceae	San	Felipe creek - high prairies		"	"
"	1	Boraginaceae	high prairies of	San Felipe creek		Fl white becoming ochroleucous	"	17
"	2	Nyctaginea	"	"	"	" white with a tinge of red	"	"
"	3	Aristolochiaceae	"	"	"		"	"
"	4	Cryptantha Jamesii or Boraginaceae	"	"	with fruit	Fl white	"	"
"	5	———	moss? adhering to rocks deep under water		in springs tributary to the San Felipe		aquatics	"
"	6	———	aquatic in the margin of water near		"	"	among cyperaceae & others	"
"	7	Trichocoronis wrightii	in the outlet of a spring tributary		to	the surface Fl white	"	"
"	8	Liliaceae called	Spanish dagger or bayonet in fruit with		and high prairies of the San Felipe and east to the Medina	blooming profusely above & beneath	"	19
"	9	Portulacaceae	Low prairies of the San Felipe	Fl expand in the	afternoon and remain open till next midday		"	20
"	90	Cyperaceae	small branch of the San Felipe				"	"
"	1	Gramineae	Low prairies	"	"		"	"
"	2	Lantana?	high hills	"	Suffruticose 1/2 — 2 ft high	Fl white	"	"
"	3	Cyperaceae	in a small branch of	"			"	"
"	4	Salsola	San Felipe mound		Fl purple		"	"
"	5	Gramineae	low prairies of the San Felipe				"	"
"	6	"	bluff on a small branch	"			"	21
"	7	Smilax	high prairies between San Felipe & Devils river		(Rio Del Diablo)	climbing over bushes	"	22
"	8	Filix	in crevices of a rocky bluff between San Felipe &		Devils river		"	"
"	9	Lycopodiaceae	on high rocky bluffs of Devils river—		abundant (viva siempre Sp)		"	"

Hamilton Co.

No 700	Asclepias	Banks of Devils river			July 22
" 1	Compositae	" "			" "
" 2	Cucurbitaceae	bottom "	— climbing over tall	grass & bushes	" "
" 3	Commelyna	in crevices of rocks on the high bluffs		of Devils river — in shade	" "
" 4	Evolvulus	bluffs of Devils river	Fl blue		" "
" 5	Pentstemon	in crevices of rocks on a creek three miles beyond		the crossing of Devils river	Fl bright scarlet " "
" 6	———	prairies near " " " " "		" " " "	Fl yellow — Specimen mostly in fruit "
" 7	Fruit of No 469	abundant on the hills on & beyond Devils		river	" 23
" 8	Compositae	rocky bluffs of a creek 3 miles beyond the crossing		of Devils river	" "
" 9	Scrophulariaceae	hills of Devils river	Fl white		" "
" 10	———	A much branched shrub growing on declivities of the		above mentioned creek (Solanaceae?)	Fl. white " "
" 11	Cassia	hills of the same creek and elsewhere			" "
" 12	Cyperus	in the bed of a small tributary of the same creek		Culm glutinous	" "
" 13	Marsilea	with the last			" "
" 14	Fouquiera	A shrub with very long branches from near the root		growing on hills beyond Devils river	without flowers or fruit "
" 15	Compositae	hills of Devils river			" "
" 16	Fruit of No 550	On Devils river and its branches			" "
" 17	Salvia	hills of Devils river	In fruit only		" 24
" 18	Boraginaceae	"			" "
" 19	Cyperaceae	" "			" "
" 20	Compositae	"			" "
" 1	Parosphia	" "			" "
" 2	Rhamnaceae	" "		Shrub 6-8 ft high	Fl greenish " "
" 3	Quercus (Emoryi)?			" " "	" "
" 4	Aplopappus	bottom of "			" "
" 5	Baccharis (Texana?)	" "			" "
" 6	Silene	hills	crevices of rocks		" "
" 7	Scrophulariaceae	hills of Devils river			" "
" 8	———	" " "	Shrub 2-4 ft high	Fl. found on returning — white	" 25
" 9	Mentzelia	bottom "			" "
" 30	Scrophulariaceae?	bottom "	Fl white		" "
" 1	Cassia	" "	from then east to	Austin	" "
" 2	Linum (rigidum?)	" "	Fl purple or blue		" "
" 3	Eryngium	" "			" "
" 4	Passiflora (lutea?)	" "			" "

No	735	Malvaceæ	high hills of Devils river		Fl light yellow		July 25
"	6	Euchroma?	" " "		" bright scarlet		" "
"	7	Nyctaginieæ	bottoms "		" deep red		" "
"	8	Polygoneæ	" "				" "
"	9	Cuscuta	" "				" "
"	40	Aristolochia	" "	=683	Fl spotted with purple	in the throat	" "
"	1	Liliaceæ?	high hills "				" "
"	2	Œnothera	bottoms "		4-6 ft high—margin	of streams to Austin	" 26
"	3	Cactaceæ	high hills "				" "
"	4	Hymenatherum	" "				" "
"	5	Leucas	" "		3-5 ft high much	branching	" "
"	6	Linum	" "				" "
"	7	Gramineæ	" "				" "
"	8	———	" "		2 inches of rocks	Fl white	" "
"	9	Panicum	bottoms "		much branched from the	root forming large patches Panicle yellowish	" "
"	30	Gramineæ	hills "		Fl white		" "
"	1	———	" "				" "
"	2	Cactaceæ	" "		Fruit lanceolate smooth	scarlet	" 28
"	3	"	" "		" " " green		" "
"	4	Asclepiadaceæ	bottoms "		(and at Eagle Pass 1848)		" "
"	5	Amarantaceæ	hills "		thickets & shady places		" "
"	6	Verbena	" "		nearly or quite to the	summit Fl bright red	" "
"	7	Compositæ	crevices of rocks		on the summit of hills	of Devils river Fl yellow	" "
"	8	"	declivity of hills of Devils river				" "
"	9	Zexmenia	Devils river		declivity of hills		" "
"	60	Gramineæ	" "		" "		" "
"	1	Abutilon	" "		" "		" "
"	2	Dalea	" "		1-2 ft high—on high	hills	" "
"	3	Gramineæ	" "			"	" "
"	4	Echinacea	Fleri spinus?			" 1 ft high—Fl dun	" "
"	5	Heaytii	" "			" growing from crevices of rocks	" "
"	6	Mammillaria	" "			" 4-5 in across scarcely rising above the ground	" 30
"	7	Evolvulus	" "			" Fl blue	" "
"	8	Pentstemon	" "			" abundant—keel purple Vexillum yellow	" "
"	9	Solanum	" "		crevices of rocks	" Fl purple Berry red	" "

San Pedro

No 770	Parthenium	Devils river	declivity of hills		
" 1	Capsicum	" "	thick shady bottoms		
" 2	Cedar	" "	foot of hills		
" 3	Physalis	" "	bottoms in sandy soil		
" 4	Calandrinia	" "	" "		
" 5	Heliotropium	" "	" "		
" 6	Vernonia	" "	" "		
" 7	Cassia	" "	" "		
" 8	Gramineae (Chlorideae)	" "	"		
" 9	" (Paniceae)	" "	"		
" 86	Cyperus	" "	"	abundant	
" 1	Euphorbia	" "	Declivity of hills		
" 2	Cruciferae	" "	" "		
" 3	———	" "	" "		
" 4	Amarantaceae	" "	bottoms		
" 5	Lepachys	" "	"		
" 6	Euchroma	" "	Declivity of hills	Fl dk brack yellow	
" 7	Bachelors buttons	" "	Base of hills		
" 8	Nyctaginieae	" "	hills common	hen first seen in flower Fl purp	Aug 1
" 9	Krishondra	" "	Shade of trees & bushes	— dense patches	" "
" 90	Cyperaceae	" "	margin of water		" 2nd
" 1	"	" "	" "		" "
" 2	Helioneris	" "	hills		" "
" 3	Panicum	" "	bottoms		" "
" 4	Martynia	" "	"		" "
" 5		" "	hills near the summit		" "
" 6	Oxalis	" "	declivity of hills	Fl. purple.	" "
" 7	Chilopsis	" "	pebbly bars	8–14 ft high Fl purp	" "
" 8	Amarantaceae	" "	Summit of hills		" "
" 9	Gramineae	" "	declivity "		" "
" 800	Yucca	" "	" "		" "
" 1	Physalis	" "	summit " & in the	bottom Fl purp.	" "
" 2	Abutilon	" "	declivity "		" "
" 3	Engelmannia prairies between Devils river & the Pecos				" "
" 4	Cantua pebbly bed of branch running to the Pecos			Fl. scarlet	" 11

2–3 ft high — Fl. white — July 30
1–3 ft high " " " "
5–8 ft high " " "
Fl purple " "
" pale yellow " "
" purp. yellow in the center " "
" deep purp. " "
" yellow rims greenish Root very long I never found the bottom though I dug the length of my knife & handle " 31
" " "
" " "
" " "

No 805	Gramineae	Prairies of the Pecos				Aug 12
" 6	Compositae	"	"		Yl purple	" "
" 7	Prionopsis	"	"			" "
" 8	Gramineae	"	"			" 13
" 9	Cruciferae	valley of the Pecos			Yl white	" 14
" 10	Compositae	"	"			" "
" 11	Solidago	"	"			" "
" 12	Leguminosae	"	"		Yl yellow	" "
" 13	Gramineae	"	"			" "
" 14	"	"	"			" "
" 15	"	"	"			" "
" 16	"	"	"			" "
" 17	Euphorbia	Prairies beyond the Pecos				" 15
" 18	Perezia	"	"	"	Yl light purp.	" "
" 19	Gramineae	"	"	"		" "
" 20	Krameria	"	"	"		" "
" 1	Oenothera	"	"	"		" "
" 2	Sidalcea	"	"	"	Yl. orange-red	" "
" 3	Leucophyllum	hills	"	" L. Bakeri	Yl purp. 2ft high	" "
" 4	Compositae	Prairies	"	"		" "
" 5	Cactaceae	"	"	" 6ft high branching	branches nearly horizontal Fruit yellow dry	" "
" 6	"	hills	"	" growing in dense	hemispherical clusters Fruit smells & tastes like a Strawberry	
" 7	Paronychia	in crevices of rocks on a creek beyond			the Pecos	" 16
" 8	Salix	same locality				" "
" 9	Compositae	prairies beyond the Pecos			~~Yl purp~~	" "
" 30	Gramineae	growing densely in the bed of the above		No 827	creek	" "
" 1	"	on hill sides near the above stream				" "
" 2	Englmannia	"	"	" "		" "
" 3	Compositae	Prairies beyond the Pecos			Yl purp.— only one specimen seen	" "
" 4	Asclepias	"	"	"		" "
" 5	Gramineae	"	"	"		" "
" 6	Asclepiadaceae	on a branch beyond the Pecos and seen			last year 1848 on the R Grande climbing 10-20ft	" "
" 7	Eriogonum	hills beyond the Pecos				" "
" 8	Nyctaginea	"	"	"		" "
" 7	Compositae	"	"	"		" "

No 840	———	hills beyond the Pecos					Aug 16
" 1	Larrea	" " "		3-4 ft high	Yl yellow		" "
" 2	Oenothera	" " "					" "
" 3	Euphorbia	20 miles beyond "					" "
" 4	Chenopodiaceae	valley 20 miles beyond the Pecos					" 17
" 5	Asclepias	" " " "					" "
" 6	———	" " " "					" "
" 7	Helianthus	" " " "					" "
" 8	Solanaceae	" " " "					" "
" 9	Melampodium	Prairies 30 miles " "					" 18
" 50	Chenopodiaceae (Sueda)	salt flats 40 miles beyond "					" "
" 1	Larrea	valley 30 miles " "			Yl purple		" "
" 2	"	margin of creek about 30 miles beyond the Pecos			3-4 ft high Yl purple		" "
" 3	Eriogonum	hills " " " "					" "
" 4	Compositae	valley " 40 " "					" "
" 5	Solidago	hills " " " "					" "
" 6	Compositae	valley " " " "					" "
" 7	"	prairies " " " "					" "
" 8	Gaillardia	" " " " "					" "
" 9	Grass	" " 60 " "					" 20
" 60	Cassiae Sem.	" " " " "					" "
" 1	Vernonia	valley " 80 " "			Yl purple		" 21
" 2	Salvia	" " " " "					" "
" 3	Eriogonum	hills " " " "					" "
" 4	Dalea	" " " " "					" "
" 5	"	" " " " "			Yl yellow		" "
" 6	Compositae	" " " " "			" light purp	Labiatiflorae	" "
" 7	Dalea	" " " " "			" purple		" "
" 8	Compositae	" " " " "			" yellow		" "
" 9	Malvaceae	valley " " " "					" "
" 70	Prichondra	hills " " " "					" "
" 1	Compositae	valley " " " "			Yl yellow		" "
" 2	"	" " " " "					" "
" 3	Dyspenhardtia	bed of creek " " "					" "
" 1	Gnaphalium	" " " " "					" "

No	875	Yucca	valley	about 70-80 miles beyond the Pecos				Aug 21
"	6	Compositae	"	"	"	"		" "
"	7	Aplopappus	"	"	"	"		" "
"	8	Senecio plattensis	"	"	"	"		" "
"	9	Asclepias	"	"	"	"		" "
"	80	Yucca	"	"	"	"		" "
"	1	Gnaphalium	bed of	creek	"	"		" "
"	2	Euphorbia	"	"	"	"		" "
"	3	Scrophulariaceae	"	"	"	"		" "
"	4	Eriogonum	hills		"	"		" "
"	5	Cruciferae	pond in	valley about 60 miles beyond the Pecos				" "
"	6	Compositae		"	"	"		" "
"	7	Cyperaceae	bed of	the Limpia or Wildcat creek				" "
"	8	Lobelia	"	"	"			" "
"	9	Eryngium	"	"				" "
"	90	Coreopsis	"	"				" "
"	1	Actinella	"	"				" "
"	2	Cyperus	"	"				" "
"	3	Gramineae	"	"				" "
"	4	Salix	"	"				" "
"	5	Baccharis	"	"				" "
"	6	Rumex	"	"				" "
"	7	Panicum	"	"				" "
"	8	Aster	margin	"				" "
"	9	Salix	"	"				" "
"	900	Cyperus	"	"				" "
"	1	Leguminosae	valley	"				" "
"	2	Sidalcea	"	"				" "
"	3	Violaceae	"	"				" "
"	4	Cruciferae	"	"				" "
"	5	Gramineae	"	"				" "
"	6	"	"	"				" "
"	7	Senecio	& Pentstemon	"				" "
"	8	Compositae	valley	"				" "
"	9	Aristolochia	"	"				" "

abundant
Gl yellow
" purple

Gl yellow

wet
Gl dusp purp. ~~Radical leaves almost pectinate~~
" light blue Radical leaves almost pectinate

8-10 ft high
4-5 ft high Fl. white

2 ft high Fl purp
6 ft high

trailing 6-8 ft Fl purp
Sandy soil
Fl purp
" "

Fl purp

No 9	10	Engelmannia?	valley of the Limpia		
"	11	Euchroma	"	"	
"	12	Scutellaria	"	"	
"	13	Compositae	"	"	
"	14	Convolvulus	"	"	
"	15	Compositae	"	"	
"	16	Galium	bottom	"	
"	17	Aster	"	"	
"	18	Cyperaceae	"	"	
"	19	Asclepias	valley	"	
"	20	Eriogonum?	bottom	"	
"	1	Nyctaginea	valley	"	
"	2	Compositae	"	"	
"	3	Polygala	"	"	
"	4	Gaura	"	"	
"	5	Phlox	"	"	
"	6	Compositae	"	"	
"	7	"	"	"	
"	8	Nyctaginea	"	"	
"	9	"	hills	"	
"	30	Galactia	"	"	
"	1	Eriogonum	"	"	
"	2	Gaillardia	valley	"	
"	3	Gramineae	"	"	
"	4	Hosackia?	"	"	
"	5	Erigeron	"	"	
"	6	Quercus	foot of hills on the	"	
"	7	Convolvulus	valley of the	"	
"	8	Vernonia	"	"	
"	9	Sidalcea	"	"	
"	40	Datura	hills near the	"	in crevices of rocks
"	1	Filix	"	"	" "
"	2	"	"	"	" "
"	3	Physalis	valley of the	"	
"	4	Cyperaceae	"	"	

rays with purple vein beneath			Aug 22
			" "
Fl. deep purple	12	"	"
" white	13	"	"
" purple		"	"
" "		"	"
		"	"
" white	17	"	"
	18	"	"
	19	"	"
		"	"
Fl light purp.		"	"
" white		"	"
" purple		"	" 23
" pink		"	"
" scarlet		"	"
" purp.	26	"	"
" "		"	"
" white turning black in drying	30	"	"
" scarlet		"	"
" purple		"	"
" white	1	"	"
	2	"	"
	3	"	"
Fl yellow		"	"
" white		"	"
8–10 ft high or trailing			
Fl bluish purp climbing over bushes		"	"
" purp.		"	"
" vermillion-red		"	"
" white		"	" 23
		"	"
		"	"
		"	"
		"	"

No 945	Aplopappus	valley of	the	Limpia	(in thick bunches)?	
" 6	——	"		"		
" 7	Gramineae	"		"		
" 8	Solidago	"		"	in thick bunches	
" 9	Salvia	"		"		
" 50	Ambrosia?	"		"		
" 1	Compositae	"		"		
" 2	Convolvulus	"		"		
" 3	Epilobium?	margin		"		
" 4	Salvia	"		"		
" 5	Solidago	valley		"	in dense bunches	
" 6	Compositae	"		"	Sandy soil	
" 7	Pentstemon	"		"		
" 8	Portulaca	hillsides near		"		
" 9	Solidago	"		"		
" 60	Compositae	"		"		
" 1	Filix	"		"		
" 2	"	"		"		
" 3	Bidens	"		"		
" 4	Ranunculus	margin		"		
" 5	Solidago	valley of	the	"		
" 6	Malvaceae	margin of	the	"		
" 7	Commelyna	"		"		
" 8	Rosa [illegible]	bottom	(Distributed as No. 1107)			
" 9	Gramineae	valley of		"	in dense bunches	
" 70	Filix	"		"	side of hills	
" 1	——	side of hills	in the	Pass of	the Limpia	
" 2	Gramineae	"		"	"	
" 3	Bignoniaceae	"		"	"	
" 4	Malvaceae	"		"	"	
" 5	Liatris	"		"	"	
" 6	Salvia	"		"	"	
" 7	Compositae	"		"	"	
" 8	Gramineae	"		"	"	in dense bunches
" 9	"	"		"	"	"

		Aug 23
		" "
		" "
		" "
Gl deep scarlet ~~purple~~		" "
" ~~purple~~		" "
		" "
Gl purple		" "
Gl light red		" 24
" deep blue		" "
		" "
3-5 ft high		" "
		" "
		" "
		" "
		" "
		" "
2-3 ft high Rays white or light yellow		" "
2-3 ft spreading		" "
		" "
2-8 ft high Gl purple		" "
Gl. blue — lower petal large for the genus		" "
2-3 ft high		" "
		" "
		" "
		" "
		" "
		" "
2-3 ft high Gl bright yellow		" "
" light purple		" "
		" "
1 ft high — much branched Gl purp		" "
Gl yellow		" "
		" "
		" "

No 980	Gilia	Pass of the Limpia	sides of hills	3-5 ft high		Aug 24
" 1	Leguminosae	"	"			" "
" 2	Nyctaginea	"	"			" "
" 3	Dalea	"	"			" "
" 4	Martynia	prairies in the mountain valleys		Fl yellow		" "
" 5	Labiatae	"	"	" purple		" "
" 6	Dalea	Hills Pass of the Limpia		" "		" "
" 7	Graminea	prairies "	"	" "		" "
" 8	Salix	margin of the Limpia				" "
" 9	Hymenathenum	Prairies Pass of the Limpia				" "
" 90	Compositae	"	"			" "
" 1	———	"	" side of mountains	crevices of rocks on the mountains		" 25
" 2	Oenothera	margin of the Limpia		Fl yellow turning reddish	vespertina	" "
" 3	Gilia	Pass of the Limpia	Top of mountains			" "
" 4	Cruciferae	"	" "			" "
" 5	Rhus	"	" "	Fl white		" "
" 6	Yucca	"	" crevices of rocks on the	mountains		" "
" 7	Eriogonum	"	" " "	"		" "
" 8	Mirabilis?	"	" " "	" Fl blue		" "
" 9	Galium	"	" " "	" " red		" "
" 1000	"	"	" " "	" " ~~white~~ yellow		" "
" 1	Cruciferae	"	" " "	" " white		" "
" 2		"	" Summit of hills			" "
" 3	Asclepiadaceae	"	" valley prairies			" "
" 4	Cyperaceae	in the	"			" 26
" 5	Graminea	bottom of the	"			" "
" 6	"	"	"			" "
" 7	"	"	"			" "
" 8	Calliandra	Pass of the	" valleys between mountains	in fruit only		" "
" 9	Asclepias	"	" " "			" "
" 10	Clematis	"	" " "			" "
" 11	Acacia?	"	" " "	spreading 3-5 ft		" "
" 12	Leguminosae	"	" " "	3-4 ft high		" "
" 13	Amaryllidaceae	"	" " "	2-3 ft "		" "
" 14	Calliandra?	"	" " "	Fl yellow		" "
				in fruit only		" "

N.10	15	Gramineae	Mountain	valleys	beyond the	Limpia	pass
"	16	Panicum	"	"		"	
"	17	Eriogonum	"	"		"	
"	18	Desmanthus	"	"		"	
"	19	Physalis	"	"		"	
"	20	Leguminosae	"	"		"	
"	1	Hedyotis	"	"		"	
"	2	Cuscuta	"	"		"	
"	3	Nama	"	"		"	
"	4	Compositae	"	"		"	
"	5	Euphorbia	"	"		"	
"	6	Solanaceae	sides of	mountains			
"	7	Boraginaceae	Mountain	valleys	beyond	"	
"	8	Leguminosae	"	"		"	
"	9	Compositae	"	"		"	
"	30	Leguminosae	"	"		"	
"	1	Asclepiadaceae	"	"		"	
"	2	Physalis	"	"		"	
"	3	Yucca	"	"		"	
"	4	Compositae	"	"		"	
"	5	Polygala	"	"		"	
"	6	Leguminosae	"	"		"	
"	7	Gramineae	hills	"	"	"	
"	8	"	"	"		"	
"	9	"	"	"		"	
"	40	"	"	"		"	
"	1	Salvia	"	"		"	
"	3	Compositae	"	"		"	
"	4	Convolvulus	"	"		"	
"	5	Boraginaceae	valleys	among	hills	beyond the	Limpia pass
"	6	Bouvardia		"	"	"	
"	7	Croton	valleys	among	hills	"	"
"	8	Eriogonum	"	"	"	"	"
"	9	Salvia	mountains	beyond		"	
"	50	Senecio	"	"		"	

Gl white

Gl red

2-3 ft high branching & spreading in dense bunches

2 ft high much spreading

Gl purple

Gl light red

Gl yellowish

" purple

Gl yellow

Aug 26

" 27

" 28

No	1051	Artemisia	mountains beyond the Limpia pass			Aug 28	
"	2	Senecio	"	"	"	"	"
"	3	Gnaphalium	"	"	"	"	"
"	4	Gramineae	mountain tops	"	"	"	"
"	5	Compositae	mountains	"	"	In dense bunches or much branching from the root	Yellow
"	6	Amaryllidaceae	"	"	"	Fl scarlet	"
"	7	Gramineae	"	"	"	in dense tufts	"
"	8	Labiatae	"	"	"		"
"	9	Gramineae	valleys among the mountains towards			the Rio Grande	"
"	60	Scrophulariaceae		hills	"	" " Branching from the ground	"
"	1	Pinus	mountains towards the Rio Grande			12–20 ft high	" 29
"	2	Galium	"	"	"		"
"	3	Malvaceae	"	"	"	Fl. light purple	"
"	4	Talinum	"	"	"	" yellow	"
"	5	Apocynaceae	"	"	"	" white	"
"	6	———	"	"	"		"
"	7	Compositae	"	"	"		"
"	8	Solidago	"	"	"		"
"	9	Convolvulus	"	"	"	Fl. red	"
"	70	Gramineae	"	"	"		"
"	1	Paronychia	"	"	"		" 30
"	2	———	"	"	"	Shrub 5–8 ft high	"
"	3	Nyctagineae	"	"	"		"
"	4	Houstonia	mountain valleys	"	"	Fl. white	"
"	5	Artillia?	Battleya? sides of hills	"	"	rays in several series	"
"	6	Senecio	valley	"	"	smooth variety	"
"	7	Cucurbitaceae	"	"	"	Fruit 2½ × 3½ in dia	"
"	8	Salix	"	"	"	Fl yellow	"
"	9	Euphorbia	"	"	"		"
"	80	Malvaceae	"	"	"	Fl red	"
"	1	Nyctagineae	"	"	"		"
"	2	Coniferae	"	"	"		"
"	3	Eriogonum	"	"	"		"
"	4	Yucca	"	"	"		"
"	5	Compositae	"	"	"	only one specimen found	"

No 1086 — mountain valleys towards the Rio Grande
" 7 Compositae " " " "
" 8 " " " " "
" 9 Dichondra mountain enclosing the above vallies
" 90 ——— " " "
" 1 Nyctaginear Mountain valleys towards the Rio Grande
" 2 Compositae " " " "
" 3 Cuphea " " " "
" 4 Cruciferae " " " "
" 5 Solidago
" 6 Vernonia margining creek 30-40 miles from "
" 7 Paspalum " " " "
" 8 Mentzelia mountain vallies 30-40 m. from "
" 9 Compositae " " " "
" 1100 Heliotropium Heliotr. Greggii " " " "
" 1 Compositae rocky banks of mountain branch 35 m
" 2 Malvaceae declivity of hills 30-40 m from Rio Grande
" 3 Gramineae mountain vallies " "
" 4 Portulacaceae " " " "
" 5 Nyctaginear " " " "
" 6 Coldenia Heliotropium " " " "
" 7 Phlox? " " " "
" 8 Nyctaginear " " " "
" 9 Compositae " " " "
" 10 Polygala " " " "
" 11 Leguminosae " " " "
" 12 Ambrosia " " " "
" 13 Sida " " " "
" 14 Gramineae " " " "
" 15 Portulacaceae Talinopsis frutescens sp " " 17 "
" 16 Cruciferae valley of a branch 10 "
" 17 Euphorbia mountain valley 25 m from the "
" 18 Compositae hill sides 15 m from "
" 19 " mountain valleys 15 m from "
" 20 Gramineae " " " "

one specimen only found	Aug 30
	" "
	" "
	" "
	" "
Yl pink	" "
	" "
	" "
Yl white 30-40 miles from Rio Grande	Sept 1
	" "
	" "
In dense patches	" "
much branched Yl light yellow	" "
damp sandy soil	" "
Yl white or light purple	" "
from the R. Grande	" 2
	" "
" sandy soil	" "
	" "
	" "
	" "
	" 3
	" "
	" "
	" "
	" "
	" "
	" "
Yl pump.	" "
" white	" "
	" "
	" "
Sandy soil	" "
	" "

No 1121 Compositae damp valleys 15 miles from Rio Grande
" 2 Cruciferae valley of the Rio Grande 60–70 miles
" 3 Cyperaceae " " "
" 4 " " " "
" 5 ——— " " "
" 6 Compositae " " "
" 7 ——— bottom " "
" 8 Portulacaceae " " "
" 9 Gramineae valley " "
" 30 Portulacaceae bottom " "
" 1 ——— valley " "
" 2 Coldenia Compositae " " "
" 3 Solidago " " "
" 4 Gramineae bottom " "
" 5 Cyperaceae overflowed bottom " "
" 6 Amygdaleae valley " "
" 7 Gramineae bottom " "
" 8 " " " "
" 9 " " " "
" 40 Portulaceae " " "
" 1 Cyperaceae " " "
" 2 Dieteria ? edge of overflowed bottom of the Rio Grande
" 3 Poa valley of the Rio Grande 60–70 miles below
" 4 Sagittaria overflowed bottom of the Rio Grande 60–70 miles
" 5 Aster valley " "
" 6 Mammillaria " " "
" 7 Aplopappus " " "
" 8 Dieteria " " "
" 9 Dalea " " "
" 30 Solidago " " "
" 1 Dichaetophora? " " "
" 2 Oenothera " " "
" 3 Helianthus " " "
" 4 Dieteria = 1148? " " "
" 5 Galardia " " "

		Sept 3
below El Paso	2-3 ft high Yl white	" 4
"		" "
"		" "
"		" "
"		" "
"		" "
"	Yl yellow small	" "
"		" "
"	Yl purple	" "
"	on pebbly ridges	" "
"	Yl purple	" "
"		" "
"		" "
"		" "
"	on pebbly hills Yl purple	" "
"		" "
"		" "
"		" "
"	Yl yellow minute — sandy	" 5—
"	~~Yl yellow minute — sandy soil~~	" 5—
60-70 miles below El Paso	Yl purple	" "
El Paso		" "
below El Paso	Yl white	" "
"		" "
"	Yl pink or light purp	" "
"		" "
"		" "
"	on sandy ridges Yl purple	" "
"	much branches from the root	" "
"	Yl light purp.	" 3
"	sandy soil. Yl light pink resperium	" "
"	~~3 ft~~ high in branches	" "
"	abundant	" "
"	Sandy soil	" "

No 1156 Gramineæ valley of the R. Grande 60–70 miles below El Paso.
" 7 Scrophulariaceæ " " " "
" 8 Palafoxia " " " "
" 9 Cuscuta bottom & valley " 40–60 miles "
" 60 Dieteria valley " " "
" 1 " ? " " " "
" 2 Gramineæ " " " "
" 3 " " " " "
" 4 Martynia " " " "
" 5 Hymenopappus " " " "
" 6 Gilia " " " "
" 7 —— " " " "
" 8 Malvaceæ low bottom " " "
" 9 Capsella valley " " "
" 70 Portulaceæ low bottom " " "
" 1 Gramineæ valley " " "
" 2 —— " " " "
" 3 Leguminosæ bottom and low valley " " "
" 4 Physalis low bottom " " "
" 5 —— valley " 25–30 "
" 6 Compositæ bottom " " "
" 7 Aster Spinosus " " " "
" 8 Lepachys " " " "
" 9 —— " " " "
" 80 —— low " " " "
" 1 Compositæ valley " " "
" 2 Aster bottom " " "
" 3 Leguminosæ overflowed bottom and valley bottom of the
" 4 Nyctaginea valley of the Rio Grande 8–10 m below
" 5 Boraginaceæ Panicum low bottom of the " 5
" 6 Chenopodiaceæ " " " "
" 7 Boraginaceæ Heliotrop. convolvulaceæ valley " "
" 8 Capparidaceæ " " "
" 9 Datura Low bottom " "
" 90 Gilia sides of mountains near El Paso

	Sept 5
	" "
	" "
Fl white	" 6
Aster? — low ground	" "
" "	" "
	" "
	" "
On sandy ridges Fl yellow	" "
	" "
On sandy ridges Fl white	" "
	" "
ex sanded flow pale yellow	" "
abundant on high flowlands Fl white	" "
Fl deep red	" "
On sandy ridges	" "
Fl not seen	" "
8–12 ft high Fl yellow	" "
Fl dull yellow	" 7
1–2 ft high	" "
	" "
	" "
	" "
	" "
	" "
	" "
	" "
R.G Fl deep purple — very much branched	" 8
El Paso Sandy soil Fl pink	" "
"	" 9
"	" "
" Sandy soil Fl white vespertina	" "
" Wislizenia 1½–2 ft high Fl yellow	" "
" much branched & spreading 1–2 ft high Fl light purple	" 11
	" 12

No 1191 Gramineae summit of mountain near El Paso
" 2 " " " "
" 3 Artemisia valley of the Rio Grande 5 miles below El
" 4 Compositae " " "
" 5 Malvaceae side of mountain near El Paso
" 6 Compositae " " "
" 7 Senecio " " "
" 8 Euphorbia " " "
" 9 ——— " " "
" 1200 Polygala " " "
" 1 Gramineae " " "
" 2 Compositae " " "
" 3 ~~Gramineae~~ Quercus " " "
" 4 Quercus " " "
" 5 Nyctagineae " " "
" 6 Solidago " " "
" 7 Gilia " " "
" 8 Artemisia " " "
" 9 Mentzelia valley of the Rio Grande "
" 10 Gruedescantia summit of mountains near El Paso
" 11 Malvaceae declivity " "
" 12 Chrysopsis summit 2 sides " "
" 13 Capparidaceae " " "
" 14 Sidalcea side " "
" 15 Salvia summit 2 sides " "
" 16 Eriogonum declivity " "
" 17 Physalis " " "
" 18 Phaseolus " " "
" 19 Compositae " " "
" 20 Euphorbia " " "
" 1 Garrya? " " "
" 2 Ericeae " " "
" 3 Nyctagineae " " "
" 4 Gramineae " " "
" 5 Helianthus " " "

Sept 12

" "

Paso 3-5 ft high much branching

" "

much branching from the root Gl highs purp

" "

much branching 1-2 ft high

" "

Gl purp

" "

" "

" "

5-7 ft high

" "

" "

" "

sandy soil Gl light yellow resperkin

Gl purp " "

" "

much branching and spreading from the root " "

" "

2 ft high " "

1-4 ft high fruticose Gl calyx purp " "

" "

Gl dull yellow " "

" purple " "

in crevices of rocks " "

" " " " " "

6-10 ft high in fruit " "

on a small spg 6-8 ft high " "

procumbent growing in shade " "

" "

" "

No 1226 Solidago declivity of mountains near El Paso
" 7 Convolvulus " " "
" 8 Cactaceae " " "
" 9 " " " "
" 30 " " " "
" 1 " " " "
" 2 " " " "
" 3 " " " "
" 4 " " " "
" 5 " " " "
" 6 " " " "
" 7 ——— " " "
" 8 Scrophulariaceae bottom of the Rio Grande near
" 9 Compositae margin of ditches a Sedero 1½–3 ft high
" 40 Cactaceae declivity of mountains near El Paso
" 1 Fruit of a sp. of Cactaceae at least 3 ft high & 1½ in
" 2 Malvaceae fields at Pres. de San Elisario
" 3 Heliotropium H. curassavicum roadsides at P de San Elisario
" 4 Datura " " "
" 5 Ambrosia fields "
" 6 Portulaca " "
" 7 Compositae valley of the Rio Grande at "
" 8 Aster " " "
" 9 Dieteria? " " "
" 50 ——— " " "
" 1 Plantago " " "
" 2 ——— " " "
" 3 Aster " " "
" 4 Sagittaria " " "
" 5 Salix? " " "
" 6 Sagittaria " " "
" 7 Leguminosae " " "
" 8 Dieteria bottom " "
" 9 Verbena " " "
" 60 Solanaceae " " "

much branching from the ~~base~~ root — Sept 12
Climbing Yl purple — " "
" " 16
Fruit scarlet — " "
" "
Yl pink — " "
" "
Fruit scarlet — " "
" "
" "
" "
" "

Presidio de San Elzeario or Pilés de Bejár — " 17
much branching Yl yellow — " "
" "
drawn together by spines, fruit entirely covering the stems
Yl yellow
probably introduced Yl purple — " 18
spreading on the ground 1-3 ft Yl white — " "
" purp — " "
" "
" "

on sand banks — " 22
low wet land Yl purple — " "
" " " " — " "
in water Yl deep purple — " "
low land & on the margins ditches — " "
In sandy soil — " "
" "
in ponds — " "
In fields Yl white & purple. Introduced? — " "
In water — " "
In old fields Introduced? (Alyssum) — " "
On sand bars — " "
" "
Yl purple — " "

No 1261 —— border of fields at Pres. de San Elisario
" 2 Mentha margin of aqueducts "
" 3 Ambrosia fields at Pres. de San Elisario
" 4 Gramineae " " "
" 5 Nicotiana " " "
" 6 Compositae bottom of the R.G. at "
" 7 Gramineae irrigated bottom of the R.G. at Pres de San
" 8 Compositae " " " "
" 9 Cyperaceae " fields " "
" 10 Salvia " " " "
" 1 —— valley of the " near "
" 2 Salsoniae " " " "
" 3 Crotalaria fields near Pres. de San Elisario and
" 4 Gnaphalium valley of the R.G. near Socorro
" 5 Gramineae pebbly hills near El Paso
" 6 " " "
" 7 —— " "
" 8 Nyctagineae " "
" 9 Senecio bottom of the Rio Grande below El Paso
" 80 Boraginaceae (Heliotr. Greggii) " " " "
" 1 Aplopappus " " "
" 2 Bidens side of fields at Isletta
" 3 Gilia? hills near El Paso
" 4 Compositae "
" 5 Hymenothrix "
" 6 (Yerba de la Cortula Sp.) hills near El Paso
" 7 Sidalcea " " "
" 8 Dalea mountains "
" 9 Compositae " "
" 90 Euphorbia " "
" 1 —— or Crassulaceae mountain ravine
" 2 Portulacaceae? summits of mountains near El Paso
" 3 Polygala " " "
" 4 Amarantaceae valley of R. Grande near "
" 5 Compositae prairie east of El Paso

Gl purple (quiotio Sp) Sept 24
" white introduced? 2–3 ft high " 25
abundant
only one specimen obtained " 26

low lands
Elsasia Oct 1

Gl blue
1–2 ft high erect or procumbent — Salsia " 4
2–3 " in dense bunches
El Paso Gl dark yellow Introduced " 5
(Manzanilla del rio Sp)

7

Gl white with greenish-yellow base

4–6 ft high much branched
Gl bright red
6–12 in high Gl white

" 8

Gl yellow

Gl purple
Gl light red nearly white

" 11

shrub 2–5 ft high much branched " "

No 1296 Madynia valley of the Rio Grande near El Paso
" 7 ——— prairie 6-30 miles east of El Paso
" 8 Compositae " " "
" 9 Leguminosae " " "
" 1300 Compositae " " "
" 1 Scrophulariaceae " 25 "
" 2 Helianthus mountain valley 30 miles east of El Paso
" 3 Labiatae " " "
" 4 Helianthus " " "
" 5 Desmodium " " "
" 6 Cassia " " "
" 7 Gramineae " " "
" 8 Mentha " " "
" 9 Compositae " 35 "
" 10 Quercus " " "
" 11 Galactia " " "
" 12 Solidago " " "
" 13 Compositae " " "
" 14 Convolvulus " " "
" 15 Gnaphalium " " "
" 16 Salvia mountain branch 40 "
" 17 Gramineae " " "
" 18 Hymenatherum " " "
" 19 Compositae " " "
" 20 Saxifragaceae? crevices of rocks on the mountain east
" 1 ——— on rocks in mountains east of El Paso
" 2 Agelaginea at the foot & in the shade of a high rock
" 3 Oplotheca? sides of the Guadalupe Mountains
" 4 Compositae " " 40 miles east of
" 5 ——— Salt plains at western base of Guadalupe mts
" 6 Senecio " " "
" 7 Eriogonum sides of the "
" 8 Compositae plains at the base "
" 9 " banks of a dry creek at "
" 30 " near a fine spring in plains at the base of the Guad
" 1 " " "

Yl purple	Oct 11
Sunflowers — much branched 1½–3 ft high	" 12
3–4 ft high	" "
" "	
" "	
much branched Yl yellow	" "
2–3 ft high branches	" "
1–2 ft high under rocks at the base of mts.	" "
" "	
" "	
Yl small yellow	" "
~~Yl small yellow~~	" "
Yl white	" "
	" 13
a considerable tree 12 to 20 ft high — spreading	" "
" "	
" "	
much branched	" "
" "	
" "	
Yl scarlet	" 14
" "	
abundant	" "
4–5 ft high much branched	" "
of El Paso Spreading in flat patches 1–3 ft in diam Yl whitish	"
presented by Col Johnson — odorous when fresh	" "
Yl yellow much spreading Yl purple	" 15
El Paso 1–2 ft high	" "
	" 16
" "	
Yl yellow	" "
" "	
" "	
mts	" 18
" "	

No 1332 Solidago near a spring in the plains at the base of
" 3 Aster " "
" 4 Hymenathemum in large bunches on rocky banks of creeks.
" 5 " " " " "
" 6 Mentzelia plains at the eastern base of the Guadalupe mts
" 7 Cedar "
" 8 Oenothera "
" 9 Compositae " " "
" 40 Salvia
" 1 Baccharis banks of a creek tributary to the Pecos
" 2 Compositae " " "
" 3 Gramineae " " "
" 4 ——— plains between the Guadalupe mts & the Pecos
" 5 Mentzelia " " "
" 6 Gramineae valley of the Pecos
" 7 " "
" 8 " "
" 9 " "
" 50 " "
" 1 " "
" 2 " "
" 3 " "
" 4 Compositae "
" 5 Cyperaceae "
" 6 Condalia "
" 7 Mammillaria hills "
" 8 " valley "
" 9 Cactaceae hills & valley "
" 60 Mammillaria " "
" 1 Cactaceae " "
" 2 " hills "
" 3 " " valley "
" 4 Baccharis bottom "
" 5 Cedar hills "
" 6 Cactaceae " "

the Guadalupe mts	Oct 18
"	" "
east of the Guadalupe mts — also on the Pecos	" "
" " " a few specimens only seen	" "
	" "
	" "
	" "
	" "
	" "
Gl blue	" "
~~Gl blue~~ 3-4 ft high	Oct 20
" "	" "
6-8 ft high	" "
	" "
	" "
abundant — in bunches	" 25
"	" "
"	" "
"	" "
"	" "
in low places 4-6 ft high	" "
in thick bunches	" "
" "	" "
Gl white or purplish	" "
margin of brackish waters	" "
shrub 2-5 ft high much branched Gl yellow	" 28
	" 29
	" "
	" "
— to the Rio Grande & Devils river	" "
	" 30
	" "
" " "	" "
	" "
	" 31
	" "

No 1402 Cactaceae hills of Devils river—single or clustered Nov 12
" 3 Bidens San Felipe creek—in the water— rapid
" 4 Euphorbia Nueces bottom & gravelly bed of creeks Nov 13
" " " on rocks east of the Pecos
" 1 Musci " "
" 2 Gramineae margin of Live-oak creek
" 3 " banks of small creek east of Pecos
" 4 " dry bed " "
" 5 —— sides of hills 30 days march from the Pecos
" 6 Loranthaceae " " "
" 7 Lonicera bed of creeks east of the Pecos
" 8 Musci in shade of rocks on hills beyond Devils rio
" 9 " crevices " " "
" 80 —— valley of Devils river = Ephedra
" 1 —— hills of Devils river a much branched shrub 2-4 ft
" 2 Rhus " " " "
" 3 — hill-sides "
" 4 Viscum "
" 5 Musci "
" 6 " "
" 7 " "
" 8 Helianthus Spring 15 m east of the lower crossing of Devils
" 9 " Along creek bank from Devils river to the
" 90 Aster Road-sides on Devils river
" 1 —— Hills of Devils river
" 2 Gramineae prairies near Devils river
" 3 Corchorus? Along small streams tributary to Devils
" 4 Crassulaceae hills of Devils river in crevices of rocks
" 5 Cyperaceae Spring 15 miles east of Devils river
" 6 Lemna minuta hills of Devils river
" 7 Leguminosae Hills & prairies very abundant 2-6 ft
" 8 —— Shrub common on hills much branched
" 9 Polygala Hills of Devils river Flowers yellow
" 1400 Amaryllidaceae " "
" 1 Jungermannia? crevices of rocks on hills of Devils river

No	1367	Cactaceae	hills of the Pecos	Oct 31
"	8	"	" & eastward	Nov 2
"	9	Jungermannia?	hills east of the Pecos	" "
"	70	Lichen	on rocks east of the Pecos	
"	1	Musci	" "	
"	2	Gramineae	margin of Live-oak creek	
"	3	"	banks of small creek east of Pecos	
"	4	"	dry bed " "	
"	5	———	sides of hills 30 days march from the Pecos	
"	6	Zoranthaceae	" " "	
"	7	Leguminosae	bed of creeks east of the Pecos	
"	8	Musci	in shade of rocks on hills beyond Devils R.	
"	9	"	crevices " " "	
"	80	———	valley of Devils river	
"	1	———	hills of Devils river a much branched shrub 2-4 ft	
"	2	Rhus	" " " "	
"	3	—	hill-sides "	
"	4	Abscess	"	
"	5	Musci	"	
"	6	"	"	
"	7	"	"	
"	8	Helianthus	Spring 15 m east of the lower crossing of Devils	
"	9	"	Along creek bank from Devils river to the	
"	90	Aster	Road-sides on Devils river	
"	1	———	Hills of Devils river	
"	2	Gramineae	prairies near Devils river	
"	3	Corchorus?	Along small streams tributary to Devils	
"	4	Crassulaceae	hills of Devils river in crevices of rocks	
"	5	Cyperaceae	Spring 15 miles east of Devils river	
"	6	Zexia nutans	hills of Devils river	
"	7	Leguminosae	Hills & prairies very abundant 2-6 ft	
"	8	———	shrub common on hills much branched	
"	9	Polygala	Hills of Devils river Flowers yellow	
"	1400	Amaryllidaceae	" "	
"	1	Jungermannia?	crevices of rocks on hills of Devils river	